AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code	Page 1 Of 5
Cost-Plus-Fixed-Fee	

2. Amendment/Modification No.	3. Effective Date	4. Requisition/Purchase Req No.	5. Project No. (If applicable)
P00003	2003DEC04	SEE SCHEDULE	

6. Issued By Code W56HZV

TACOM WARREN BLDG 231
AMSTA-AQ-ATBC
ILEY GIVENS (586)574-8500
WARREN, MICHIGAN 48397-5000
HTTP://CONTRACTING.TACOM.ARMY.MIL
EMAIL: GIVENSI@TACOM.ARMY.MIL

7. Administered By (If other than Item 6) Code S1403A

DCMA CHICAGO
1523 WEST CENTRAL ROAD
BLDG 203
ARLINGTON HEIGHTS IL 60004-2451

SCD C **PAS** NONE **ADP PT** HQ0339

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)

OSHKOSH TRUCK CORP.
OSHKOSH TRUCK CORPORATION
2307 OREGON STREET
P.O. BOX 2566
OSHKOSH, WI. 54903-2566

TYPE BUSINESS: Large Business Performing in U.S.

Code 45152 **Facility Code**

☐ **9A. Amendment Of Solicitation No.**

9B. Dated (See Item 11)

☒ **10A. Modification Of Contract/Order No.**

DAAE07-03-C-S089

10B. Dated (See Item 13)
2003JUL02

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ **The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers**

☐ **is extended,** ☐ **is not extended.**

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting And Appropriation Data (If required)
NO CHANGE TO OBLIGATION DATA

13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS

KIND MOD CODE: G

It Modifies The Contract/Order No. As Described In Item 14.

☐ **A. This Change Order is Issued Pursuant To: The Changes Set Forth In Item 14 Are Made In The Contract/Order No. In Item 10A.**

☐ **B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).**

☒ **C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:** Mutual Agreement of The Parties

☐ **D. Other (Specify type of modification and authority)**

E. IMPORTANT: Contractor ☐ **is not,** ☒ **is required to sign this document and return _____ copies to the Issuing Office.**

14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE SECOND PAGE FOR DESCRIPTION

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print)		16A. Name And Title Of Contracting Officer (Type or print)	
		GLORIA MCCRACKEN MCCRACKG@TACOM.ARMY.MIL (586)574-6524	
15B. Contractor/Offeror	**15C. Date Signed**	**16B. United States Of America**	**16C. Date Signed**
_____ **(Signature of person authorized to sign)**		**By** /SIGNED/ **(Signature of Contracting Officer)**	2003DEC04

SECTION A - SUPPLEMENTAL INFORMATION

The purpose of this modification is to add the Scope of Work for the Component Bench Testing. As a result of this modification, the additional scope of work is hereby added to the contract in section C. The number of engineering hours previously awarded under CLIN 0003AC, in modification P00001 is expected to be sufficient to cover the additional scope of work.

As a result of this modification, the previous attachment 05- Scope of Work is hereby deleted and the revised attachment 05 is added in lieu thereof.This modification will also revise the CDRLs in attachment 06 of the contract.The previous edition of attachment 06 is hereby deleted and the revised attachment 06 is added in lieu thereof.

All other terms and conditions of the contract remain unchanged and in full force and effect.

Revised Attachment 05 - HEMTT A3 Contract # DAAE07-03-C-S089

C.2.6.1 Objective. This effort exercises options under paragraphs C.2.6 and C.2.7 of Contract DAAE07-03-C-S089 for a total of 12766 hours of advanced engineering services for three separate areas as defined in paragraphs C.2.6.2 System Safety, C.2.6.3 Control System, and C.2.7 Component Bench Testing, below. The required hours for the efforts are 4,766 for System Safety (C.2.6.2 and subparagraphs), 6000 for Control Systems (C.2.6.3) and 2000 for Component Bench Testing (C.2.7 and subparagraphs).

C.2.6.2. System Safety. The System Safety Program effort shall begin on 1 Sep 2003 and continue through the end of the contract performance period.

C.2.6.2.1. Safety Engineering (The Safety Engineering program shall be priced separately)

System design and operational procedures developed by the contractor shall be in accordance with MIL-STD-882C (intentional requirement to previous standard) and MIL-STD-1472. The contractor shall integrate system safety engineering into system design efforts that shall consider, but not be limited to, the following:

a. Identifying hazards associated with the system by conducting safety analyses and hazard evaluations. Analysis shall include both operational and maintenance aspects of the vehicle along with potential interface problems with planned subsystems.

b. Eliminating or reducing significant hazards by appropriate design or material selection.

c. Controlling or minimizing hazards to personnel that cannot be avoided or eliminated.

d. Locating equipment components and controls so that access to them by personnel during operation, maintenance or adjustments shall not require exposure to hazards such as high temperature, chemical burns, electric shock, cutting edges, sharp points, or concentrations of toxic fumes above established threshold limit values. All moving parts, mechanical power transmission devices, exhaust system components, pneumatic components and hydraulic components which are of such a nature or so located as to be a hazard to operating or maintenance personnel; shall be either enclosed or guarded. Protective devices shall not impair operational functions.

e. Assuring that suitable warning and caution notes are included in instructions for operation, maintenance, assembly and repair and distinct markings placed on hazardous components of equipment.

f. Insuring that safety is considered for both operational and maintenance phases of the system.

C.2.6.2.1.1. System Safety Program (SSP)

C.2.6.2.1.1.1. To assure the safety objectives are achieved, the contractor shall implement a System Safety Program that shall be submitted IAW CDRL SMH-02.

C.2.6.2.1.1.2. In addition to the requirements in C.2.6.2.1.1.1, the contractor shall participate in support of the development of the Governments System Safety Management Plan (SSMP) and attend the quarterly System Safety Working Group (SSWG) meetings IAW CDRL SMH-03. For planning and cost estimate purposes, these meetings shall be conducted by the Government at Aberdeen Proving Grounds (APG), Maryland.

C.2.6.2.1.2. Hazard Identification:

C.2.6.2.1.2.1. Hazard Identification Reports (HIR). The contractor shall provide information to the PM- for Heavy Tactical Vehicles in accordance with CDRL deliverable SMH-04 in the form of a report which fully describes identifiable Safety hazards which are in addition to those already identified in the SAR, those already identified in the SAR that require a status change or additional investigation, and newly identified hazards which may require entry into the HTS by the Government. Delivery shall be as required or as determined by the PCO, provided electronically at least 48hrs prior to the scheduled start of each IPT Meeting to the PM-HTV by the contractor in Microsoft WORD compatible format. As a minimum, the following information and supporting documentation shall be provided by the contractor for each hazard:

a. Description of each hazard, to include cause, possible effect, hazard category

b. Status of each hazard

c. Proposed corrective action

C.2.6.2.1.3. Safety Assessment Report (SAR)

C.2.6.2.1.3.1. As a result of safety analyses, hazard evaluations, and any independent contractor testing, the contractor shall prepare and deliver to the PCO a SAR. The safety assessment shall identify all safety features and issues of the system design, hardware, software, and inherent hazards. In addition, the SAR shall identify, justify, and establish special procedures and/or precautions to be observed by Government test agencies, contracted commercial test facilities, and military system users. The SAR shall be prepared in accordance with DI-SAFT-80102A (CDRL SMH-01) using MIL-STD-882C.

C.2.6.2.1.3.2. In the event the system is modified or procedural changes made after the final SAR is submitted, the contractor shall update the SAR to reflect those modifications or changes for the duration of the contract.

C.2.6.2.2. Radioactive Material. The use of radioactive material is specifically prohibited and shall not be utilized in the equipment supplied to the Government under this contract.

C.2.6.2.3. Health Hazard Assessment Report (HHAR). The contractor shall prepare and deliver to the Government for PCO approval a HHAR. Although no format is specified, the contractor may want to contact the PCO and/or cognizant Army technical office prior to submittal for guidance in the preparation and presentation of this report. The HHAR shall identify health hazards and make recommendations concerning engineering controls, equipment, and/or protective procedures, to eliminate or reduce the associated risks to a level acceptable to the Government. Issues to be addressed within the report shall include but not be limited to:

a. Noise.

b. Toxic Gases.

1) Carbon Monoxide.
2) Ammonia.
3) Oxides of nitrogen and sulfur.
4) Acrolein.
5) Other toxic materials and gases

c. Toxic Chemicals.

d. Ionizing or non-ionizing radiation.

e. Heat and Cold. (to include heat stress)

f. Shock and vibration to crew members.

g. Address the chemicals identified in the Material Safety Data Sheets (MSDS) to be provided in the SAR. (see C.2.6.2.1.3)

C.2.6.2.3.1. The HHA report should be incorporated into or provided as an addendum to the SAR. (see C.2.6.2.1.3)

C.2.6.3 Control Algorithm Refinement. (The Control Algorithm Refinement program shall be priced separately)

The contractor shall perform advance development and refinement of the control system algorithms for the cab/chassis of the prototype vehicle to more efficiently control the prototype vehicle systems and subsystems. These advanced algorithms shall be incorporated into the prototype vehicle which shall be completed by 30 Apr 2004.

C.2.7 Component Bench Testing.

C.2.7.1 The contractor shall conduct testing at the component or subsystem level to aid in the design process and reduce risk of component reliability issues during full vehicle system testing. Component bench testing will be performed concurrently with the design and development efforts in preparation for building the prototype vehicle. The estimated completion date for component bench testing is August 2004. The contractor will select the components or subsystems to be tested and will include, but not be limited to: wheel end components, suspension components, cooling system components and gearbox. Typically, component and subsystem bench tests will fit into one of the following categories:

a. Physical testing of supplier or component alternatives as part of the down-select process for incorporation into the prototype design.

b. Operational performance testing at the component and subsystem level to validate and confirm that the components selected provide the level of capability specified on the design drawing.

c. Life cycle structural testing to validate design integrity and durability characteristics.

C.2.7.2. The Government may witness any or all of the component and subsystem testing at its option. Test plan submittal for Government review prior to testing is not required, nor is Government approval of test plans necessary prior to testing. A summary of all component and subsystem testing activity and results will be submitted either in a single final report or several partial reports will be submitted at the contractors option in accordance with DI-MISC-80508. Submitted reports are for Government information only and do not require approval.

*** END OF NARRATIVE A 004 ***